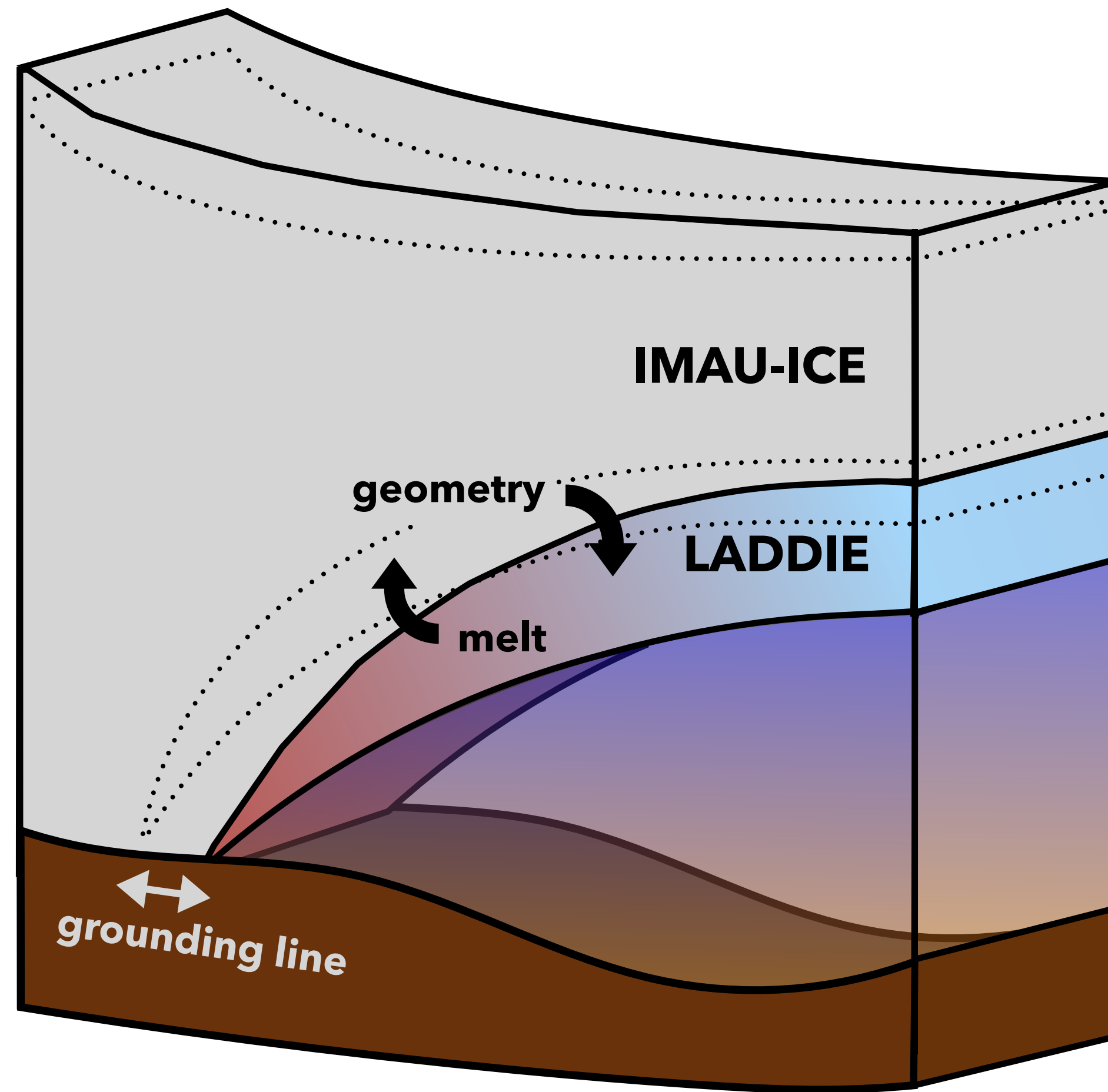


(a)



ICE SHEET

IMAU-ICE

geometry

LADDIE

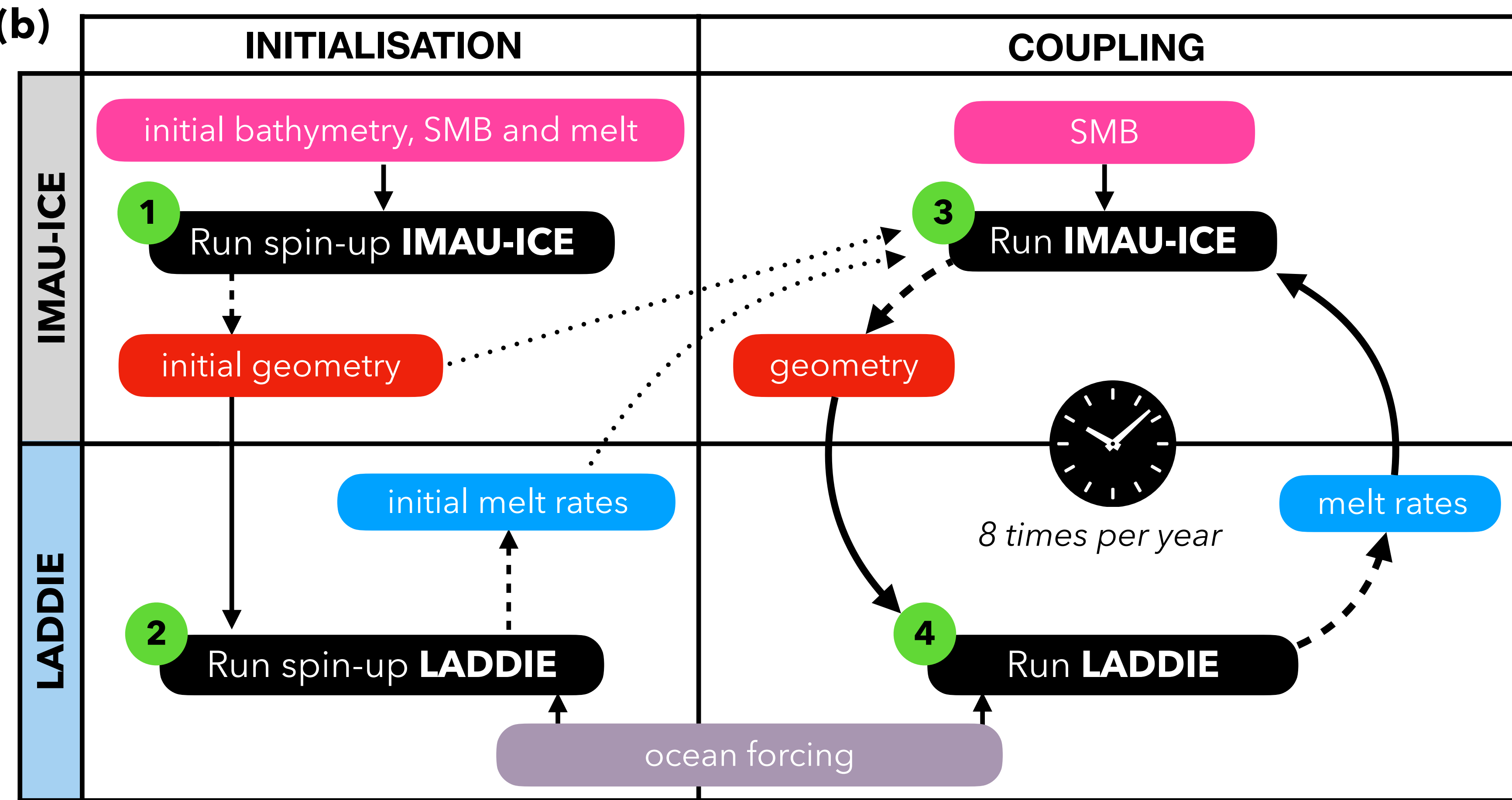
melt

MELTWATER
LAYERAMBIENT
OCEAN

BED

grounding line

(b)



INITIALISATION

COUPLING

IMAU-ICE

LADDIE

initial bathymetry, SMB and melt

1

Run spin-up **IMAU-ICE**

initial geometry

2

Run spin-up **LADDIE**

initial melt rates

3

Run **IMAU-ICE**

geometry

4

Run **LADDIE**

ocean forcing

SMB

8 times per year

melt rates